

**Amendments to the Specification**

Please replace the paragraph at page 33, line 17 with the following amended paragraph:

FIG 28 illustrates an example configuration in which two closely spaced MWM-Rosettes 97 are placed around two fasteners 99. The fasteners are also near a corner fitting 101. This is meant to illustrate that the rosettes can operate when next to one another, and they can be driven either simultaneously or sequentially. The winding patterns for the primaries help cancel the magnetic fields outside the footprint of each sensor so that the cross-coupling of fields between rosettes is minimal. A distributed architecture can be used for the electrical connections to each of the rosettes. The electronics 103 can be distributed so that each rosette has independent amplification and connection cables. Alternatively, multiplexing or parallel processing of each of the individual sensing elements, as appropriate, can reduce the number of independent amplifiers and cables. The electronics can be located near the sensing elements or at the opposite end of the connecting cables, far from the sensing elements, as necessary. In addition, the electronics can also be made flat and flexible for embedding in the structure so that relatively few signal and power line connections are required for each rosette. The cable to instrumentation can include separate connections 105 to the drive windings and connections 95 to the sense elements. The drive windings can also be connected together, with the example series connection 107 of FIG. 28b, to provide a common drive signal to the sensors.

Please add the following new paragraph at page 13, line 7:

FIG. 28b is an illustration of a pair of MWM-Rosettes placed around fastener heads with interconnected drive windings.